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1 [Path sharing and predicate evaluation for high-performance XML filtering](#)



Yanlei Diao, Mehmet Altinel, Michael J. Franklin, Hao Zhang, Peter Fischer

December 2003 ACM Transactions on Database Systems (TODS), Volume 28 Issue 4

Publisher: ACM

 Full text available: Pdf (543.40 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

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XML filtering systems aim to provide fast, on-the-fly matching of XML-encoded data to large numbers of query specifications containing constraints on both structure and content. It is now well accepted that approaches using event-based parsing and Finite ...

Keyw ords: Nondeterministic Finite Automaton, XML filtering, content-based matching, nested path expressions., path sharing, predicate evaluation, structure matching

2 [Sequencing XML data and query twigs for fast pattern matching](#)



Praveen Rao, Bongki Moon

March 2006 ACM Transactions on Database Systems (TODS), Volume 31 Issue 1

Publisher: ACM

 Full text available: Pdf (582.09 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

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We propose a new way of indexing XML documents and processing twig patterns in an XML database. Every XML document in the database can be transformed into a sequence of labels by prüfer's method that constructs a one-to-one correspondence between ...

Keyw ords: XML indexing, prüfer sequences, twig query processing

3 [Integrating document and data retrieval based on XML](#)

Jan-Marco Bremer, Michael Gertz

January 2006 The VLDB Journal — The International Journal on Very Large Data

Bases, Volume 15 Issue 1

Publisher: Springer-Verlag New York, Inc.

 Full text available: Pdf (841.10 KB) Additional Information: [full citation](#), [abstract](#), [references](#)